

2. Method according to claim 1 wherein the aluminium based medium is alumina ( $\text{Al}_2\text{O}_3$ ).
3. Method according to claim 1 or 2 wherein the surface density of Al-OH groups occurs at an average rate of greater than about 1 hydroxyl group per  $10\text{nm}^2$  of surface area.
4. Method according to claim 3 wherein the surface density of Al-OH groups occurs at an average rate of greater than about 1 hydroxyl group per  $2\text{nm}^2$ , preferably greater than about 1 hydroxyl group per  $\text{nm}^2$ .
5. Method according to claim 4 wherein the surface density of Al-OH groups occurs at an average rate of about 1 hydroxyl group per  $0.25\text{nm}^2$  to about 1 hydroxyl group per  $0.18\text{nm}^2$ .  
*BI cont.*
6. A method according to claim 1 or 2 wherein the biological species is one or more selected from Cryptosporidium, Giardia or Escheria Coli. *P4, L22*
7. Method according to claim 6 wherein the biological species is Cryptosporidium.
8. Method of claim 1 or 2 wherein the alumina is in particulate form.
9. Method according to claim 8 wherein the particulate alumina has a diameter in the range of about  $15\mu\text{m}$  to about  $0.05\mu\text{m}$ .
10. Method according to claim 9 wherein the particulate alumina has a diameter in the range of about  $1.5\mu\text{m}$  to about  $0.05\mu\text{m}$ .